

# NetApp Private Storage for Cloud: The NetApp IT Perspective



## HYBRID CLOUD ELEMENTS

NetApp® Private Storage (NPS) for Cloud enables us to access cloud resources while maintaining complete control over our data.

Cloud-connected colocation facilities, such as Equinix, allow the data to remain private just outside the cloud.

Hyperscalers, such as Amazon Web Services (AWS) and Microsoft Azure, offer flexible compute resources.

### DEDICATED LINKS

### EQUINIX DATA CENTER

## How it works inside the Equinix Data Center

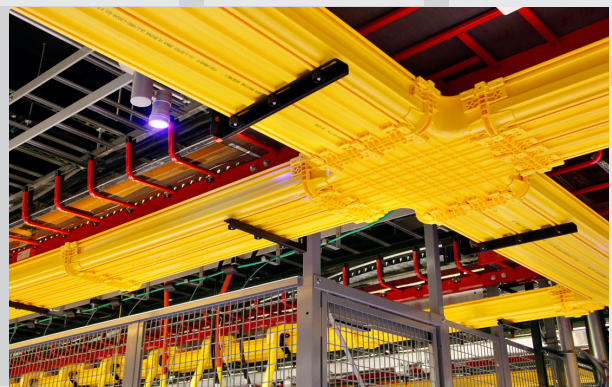


### NETAPP CAGE Equinix Data Center

Our FAS system is physically deployed in racks located within a NetApp cage. The minimum is two nodes for high availability. The FAS system is managed by an off-site storage team.

### EQUINIX HALL Equinix Data Center

Our FAS system connects to a layer 3 network switch, patched to an Equinix patch panel through a cross connect.



### EQUINIX HALL Equinix Data Center

The Equinix cross-connect uses SMF optic cables that run through a large, yellow overhead tray and down the aisles of the Equinix facility to the cloud peering switch in the AWS and Azure cages.

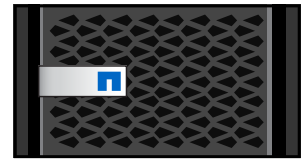


### HYPERSCALE CAGES Equinix Data Center

The cable directly connects to AWS and Azure inside their cages. We now have access to a high bandwidth (10GB) Ethernet connection between our private and public clouds by way of NPS. Our data still resides in NetApp storage, but our compute is accessed in AWS or Azure.



## 8 factors driving our use of NPS for Cloud



Ability to rapidly scale our compute or secure run-time resources for peak workloads.



Centralized storage intelligence using NetApp OnCommand® Insight and data management through NetApp® ONTAP software.



Ability to keep control of data at all times.



Compliance with the security and privacy requirements of companies and governments.



Maintain the low latency required by databases.



Migration flexibility so that individual applications can be easily moved between clouds.



High-throughput, direct connections to the cloud.



Common set of capabilities that can be used to manage and access the data across all the platforms.

